

In re: Engel *et al.*
Application No: 10/028,225
Filed: December 18, 2001
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In the Claims:

The listing of Claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously Presented) A method for remote distribution/installation of computer programs from a source data processing system to at least one target data processing system based on at least two distribution/installation modes, comprising:

- checking if the at least one target data processing system is available;
- performing distribution/installation according to one of the at least two distribution/installation modes, if the at least one target data processing system is available;
- monitoring if the distribution/installation is successful; and
- switching the distribution/installation mode if the distribution/installation is not successful.

2. (Previously Presented) The method according to claim 1 wherein the computer programs are transferred as packages which are identified in a package list, the method further comprising:

- pre-specifying attempt numbers for retrying a push-mode distribution and a pull-mode distribution;
- retrieving a next package identified in the package list;
- checking if the at least one target data processing system is available;
- if the at least one target data processing system is available then starting installation of the package on the target data processing system;
- otherwise, if at least one push-mode attempt is left, resuming and rescheduling a next push-mode distribution and, if no push-mode attempt is left, but at least one pull-mode attempt is left, resuming and rescheduling a next pull-mode distribution.

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3. (Original) The method according to claim 2, wherein if the target data processing system is not available after several retries, performing the further particular steps of:

if the number of push retries is greater than 0, moving a distribution/installation request into a hold queue and scheduling re-insertion of the request into a request queue;

if the number of push retries is equal 0 and the number of pull retries is greater than 0, moving the request into a pull queue and restarting when the target computer system logs in; and

if the number of push retries is equal 0 and the number of pull retries is equal 0, moving the request into an abort queue.

4. (Previously Presented) The method according to claim 1, further comprising queuing a distribution/installation request in a request queue and setting the distribution/installation request into an active queue when a pre-specified time is exceeded.

5. (Previously Presented) The method according to claim 1, further comprising detecting an active queue overload and checking if a currently selected target data processing system is already active.

6. (Previously Presented) A data processing program for execution in a data processing system comprising software code portions for performing a method according to claim 1 when said program is run on said computer.

7. (Previously Presented) A computer program product stored on a computer usable medium, comprising computer readable program means for causing a computer to perform a method according to claim 1 when said program is run on said computer.

8. (Original) A software distribution system for remote distribution/installation of computer programs from a source data processing system to at least one target data processing system based on at least two distribution/installation modes, comprising:

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means for checking the availability of the at least one target data processing system and for performing the distribution/installation dependent on the results of the availability checking;
means for monitoring the distribution/installation process; and
means for switching the distribution/installation mode, dependent on the results of the monitoring.

9. (Original) A software distribution system for remote distribution/installation of computer programs from a source data processing system to at least one target data processing system based on at least two distribution/installation modes, wherein the computer programs are transferred as packages which are identified in a package list, the system comprising a queue manager which includes a request queue and an active queue for handling the remote distribution.

10. (Previously Presented) The system according to claim 9, where the queue manager comprises:
means for checking if a pre-specified time is exceeded; and
means for checking if the active queue is overloaded and, if not, for setting the request into the active queue.

11. (Previously Presented) The system according to claim 9, where the queue manager comprises means for checking if a current target data processing system is already active and, if not, for setting the request into the active queue.

12. (Previously Presented) The method according to claim 2, further comprising queuing a distribution/installation request in a request queue and setting the distribution/installation request into an active queue when a pre-specified time is exceeded.

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13. (Previously Presented) The method according to claim 3, further comprising queuing a distribution/installation request in a request queue and setting the distribution/installation request into an active queue when a pre-specified time is exceeded.

14. (Previously Presented) The method according to claim 2, further comprising detecting an active queue overload and checking if a currently selected target data processing system is already active.

15. (Previously Presented) The method according to claim 3, further comprising detecting an active queue overload and checking if a currently selected target data processing system is already active.

16. (Previously Presented) A data processing program for execution in a data processing system comprising software code portions for performing a method according to claim 2 when said program is run on said computer.

17. (Previously Presented) A data processing program for execution in a data processing system comprising software code portions for performing a method according to claim 3 when said program is run on said computer.

18. (Previously Presented) A computer program product stored on a computer usable medium, comprising computer readable program means for causing a computer to perform a method according to claim 2 when said program is run on said computer.

19. (Previously Presented) A computer program product stored on a computer usable medium, comprising computer readable program means for causing a computer to perform a method according to claim 3 when said program is run on said computer.

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20. (Previously Presented) The system according to claim 10, where the queue manager comprises means for checking if a current target data processing system is already active and, if not, for setting the request into the active queue.